

Hawai'i Department of Agriculture and Biosecurity

Protecting Hawai'i's Agriculture, People, Economy, and Unique Island
Biodiversity and Environment from Pests and Invasive Species

2025-2026 Biosecurity Plans

Why is Biosecurity Important for Hawai'i



Rapid Ohia Death (ROD)



Little Fire Ants (LFA)



Coconut Rhinoceros Beetles (CRB)



Brown Tree Snakes (BTS)

As we continue to combat multiple pests and diseases that threaten Hawai'i's agriculture, ecosystem, and way of life, we need to be prepared for those pests not yet in the State.



Red Imported Fire Ants (RIFA)

What is Biosecurity in Hawai‘i?

Biosecurity is the set of measures taken to manage the risks from pests and invasive species to the economy, environment, and health and lifestyle of the people.

Protect	Protect Hawai‘i’s unique island biodiversity and ecosystems found nowhere else in the world.
Safeguard	Safeguard agriculture and food security from destructive pests and diseases.
Preserve	Preserve cultural heritage and Hawaiian values of mālama ‘āina (care for the land) and kuleana (shared responsibility).
Maintain	Maintain economic resilience by minimizing losses to our industries and sustaining tourism, trade, agriculture and local livelihoods.
Support	Support community health and well-being by preventing pest-borne diseases and maintaining a clean, healthy environment.

What Biosecurity Means to Hawai‘i?

To prevent impacts such as:

- **Economic Damage:** Palms are icons of Hawai‘i tourism image and landscaping industry. Their loss would affect hotels, parks, and small business that rely on that tropical identity.
- **Environmental Harm:** CRB attacks native palms and other plants, upsetting ecological balance.
- **Impacts to community well-being:** Losing palm trees is more than aesthetic – it’s cultural and emotional. These trees represent aloha, shade, and island life.



Legislative Authority

- Act 231, 2024: Expanded Hawai'i Department of Agriculture (HDOA) powers and regulatory authority and adding funding for biosecurity response and staffing.
- Act 236, 2025: Renamed HDOA to Department of Agriculture and Biosecurity (DAB), further expanded powers and regulatory authority, adding funds for biosecurity response and staffing, and consolidating Biosecurity responsibilities within the State.
- DAB designated as the “tip of the spear” to coordinate and partner with other State agencies for biosecurity activities.



State Agencies with Biosecurity Functions

Agency	Description of Statutory Mandate
Department of Agriculture and Biosecurity (DAB)	DAB is statutorily mandated (HRS 141, 142, 149A, 150A, 152 & 161) to implement the State’s comprehensive biosecurity program. DAB carries out these responsibility through the Plant Industry (PI) and Animal Industry (AI) divisions. PI consists of three branches: Plant Quarantine (PQ), Plant Pest Control (PPC), and Pesticides (PEST) and is responsible for preventing the entry, establishment, and spread of invasive plants, animals, insects, weeds, plant pathogens, and other harmful pests by regulating the importation and possession of non-domestic animals and microorganisms; conducts surveillance, detection, control and eradication activities; conducts biocontrol research and implementation; and ensures the safe and effective use of pesticides statewide. The AI Division safeguards the State’s livestock and poultry industries by preventing, detecting, and responding to livestock pests and diseases, regulating animal movement, and enforcing measures to protect animal health and biosecurity.
Department of Land and Natural Resources (DLNR)	DLNR is statutorily mandated (HRS 171, 183D, 187A & 199) to enhance, protect, conserve, and manage the State’s natural, cultural, and aquatic resources. The Division of Forestry and Wildlife (DOFAW) and the Division of Aquatic Resources (DAR) administer various programs to manage, control, mitigate established invasive species across forests, watersheds, wildlife habitats, and nearshore and marine ecosystems.
Department of Health (DOH)	DOH is statutorily mandated (HRS 321, 322, 340A, 342H, & 344) to protect and improve public health and the environment across the State. DOH’s Vector Control Branch is responsible for preventing the introduction, establishment, and spread of human disease vectors and related public-health threats. The Solid & Hazardous Waste Branch provides regulatory oversight of solid waste management including composting operations and green waste disposal.
Department of Business, Economic Development and Tourism (DBEDT)	DBEDT is statutorily mandated (HRS 201, 212, 226, & 229) to stimulate statewide economic development through strategic planning, industry support, and research and development initiatives that advance Hawai‘i’s long-term economic growth.
Department of Law Enforcement (DLE)	DLE is the State’s primary law enforcement agency and is mandated (HRS 139 & 353) to preserve public peace, prevent crime, and protect individuals and property. DLE administers statewide law enforcement and public safety programs, safeguards State facilities and assets, and enforces laws to ensure the safety and security of residents and visitors.
Department of Transportation (DOT)	DOT is mandated (HRS 261 & 266) to plan, design, construct, operate, and maintain State's aviation, maritime, and ground transportation systems. DOT is responsible for ensuring a safe, efficient, accessible, and sustainable intermodal transportation network that supports the movement of people and goods statewide and helps preserve economic prosperity and quality of life.
Hawaii Invasive Species Council (HISC)	The HISC (HRS 194) is comprised of members from DAB, DLNR, DOH, DOT, DBEDT, and the University of Hawai‘i (UH). HISC is mandated to advise, consult, and coordinate invasive species policies, priorities, and program across State departments and other partners.
UH College of Tropical Agriculture and Human Resilience (CTAHR)	CTAHR’s (HRS 304A-203) Cooperative Extension Services (CES) is responsible for providing science-based information and educational programs in agriculture, natural resources, and human resources. CES directly supports local farmers, aquaculturists, floriculturists, and other producers through research, surveys, pest detection, and management guidance. CES also provides diagnostic services, including insect identification; plant disease diagnosis; soil, plant, water, and feed analysis; and supports local production through the sale of vegetable and fruit cultivars developed by the college.

The New Zealand Model

New Zealand is a global leader in biosecurity



Hawaii has sent 2 delegations to New Zealand to learn what measures need to be taken to strengthen biosecurity in the State.

THE NZ BIOSECURITY SYSTEM



Biosecurity New Zealand

Ministry for Primary Industries

Moriori | Aotū | Māori

OUR OUTCOMES



Our biosecurity system is stronger, including our own business processes



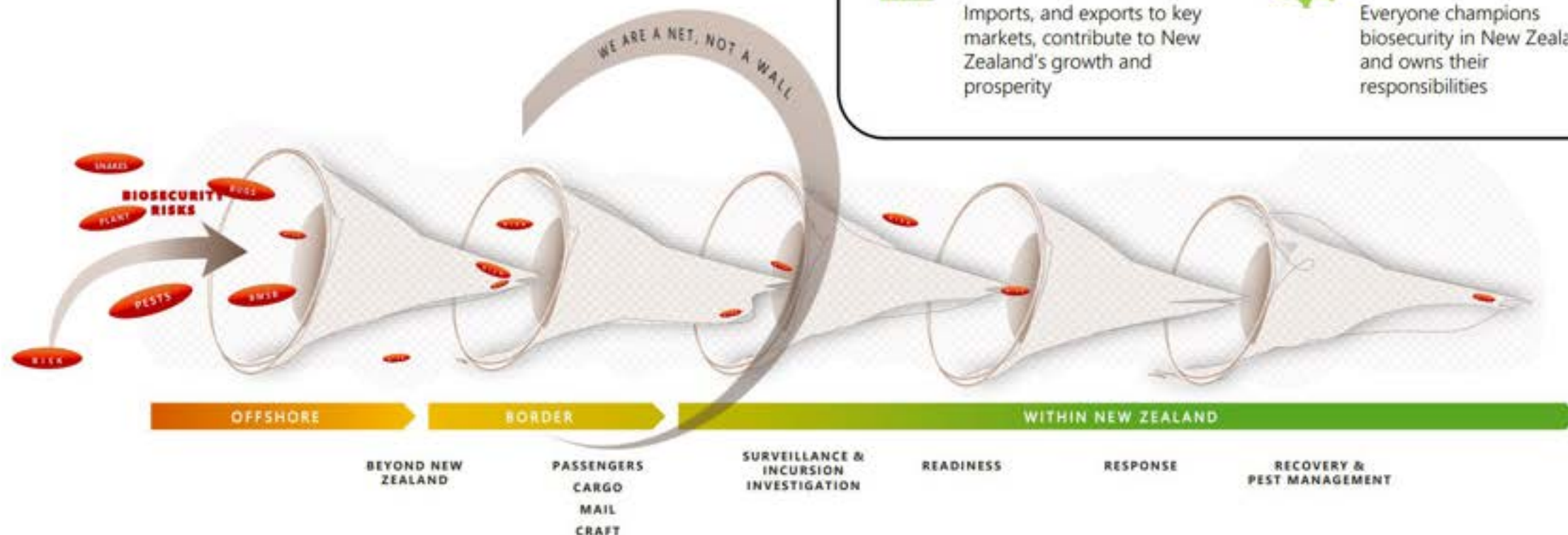
Imports, and exports to key markets, contribute to New Zealand's growth and prosperity



The impact of harmful pests and diseases in New Zealand reduces



Everyone champions biosecurity in New Zealand and owns their responsibilities



Hinaki nets – showing layers of risk management

Key Components to a Strong Biosecurity Network

Pre-Border



Managing risk and creating standards to minimize risks before arrival in the State.

Border



Inspection and surveillance activities conducted upon entry to the State.

Post-Border



Monitoring, EDRR, and preparedness activities for threats that have entered the State, including actions to mitigate negative impacts.

Whole-of-Society Biosecurity



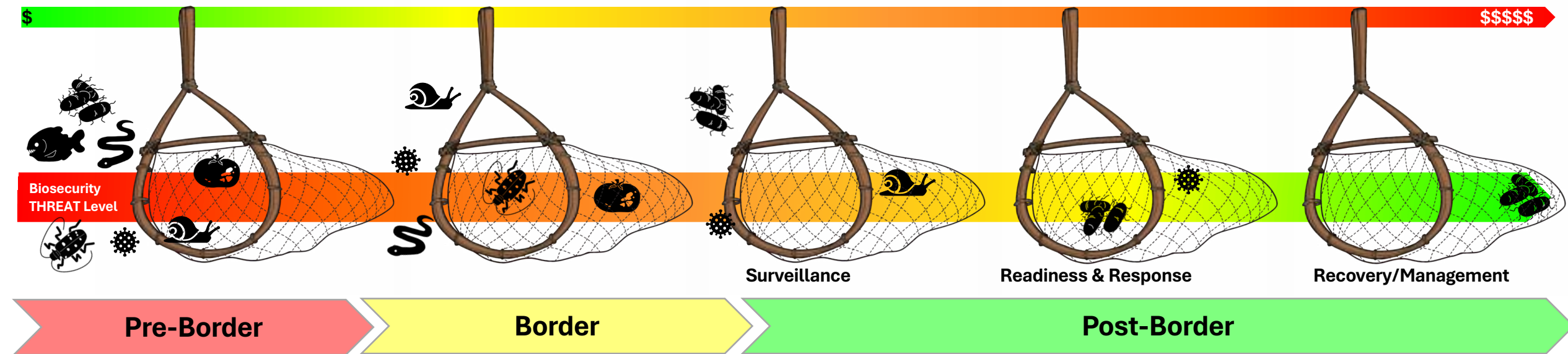
Statutory Mandates for Biosecurity in Hawai‘i

State Agency	Statutory Roles & Responsibilities
DAB	Leads pre-border and border activities for the importation of plants and animals into Hawai‘i, conducts post-border activities for pest management , which includes inspection, certification, regulation of inter- and intra-island movement, export of regulated commodities, quarantine operations, pest and disease survey and control, pesticide regulation, diagnostics, and permitting.
DLNR	Leads pre-border, border, and post-border control activities for aquatic invasive species (Division of Aquatic Resources - DAR) and manages terrestrial invasive species (Division of Forestry and Wildlife - DOFAW) post-border in natural areas while supporting efforts to stop pests and invasive species from impacting cultural and natural resources.
DOH	Leads human disease vector management, public health, and human welfare aspects, including the management of solid and hazardous waste.
DBEDT	Supports international trade, economic resilience, and industry engagement in biosecurity policy and pathway management.
DLE	Provides enforcement authority for containment, quarantine compliance, and interagency operations.
DOT	Manages seaports, airports, and transportation pathways ; provides infrastructure for biosecurity inspections and treatments; and assists in coordinating with transportation carriers (i.e. shippers, airlines, truckers and freight forwarders).
HISC	Provides policy-level direction and interagency coordination . Currently administratively housed in DLNR and transfers to DAB in 2030.
CTAHR	Provides support for research, identification/diagnostics, outreach and community engagement, and scientific tool development .

Protecting Hawai'i Requires a Coordinated and Multi-Layered Approach

HAWAI'I'S BIOSECURITY NETWORK

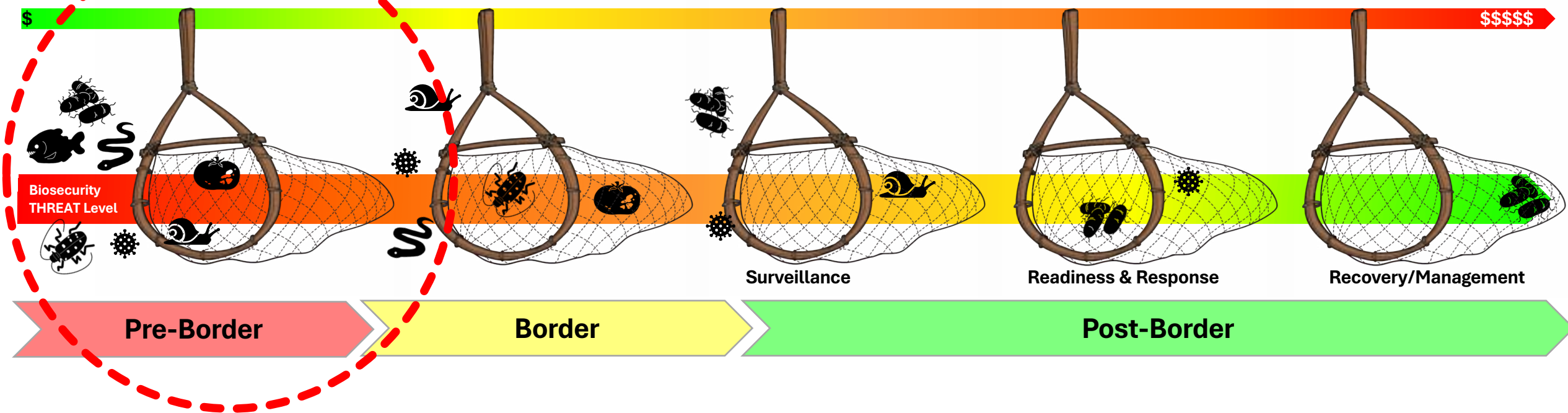
Each stage is represented by an 'upena ululu (scoop net)



Layers of targeted actions taken to reduce the threat of pest introduction in the most cost-effective manner.

HAWAI'I'S BIOSECURITY NETWORK

Each stage is represented by an 'opena ululu (scoop net)



Before Getting to Hawai'i

Import Standards & Permits: DAB, DLNR-DAR

Risk analysis & Emerging threats: DAB, DLNR, DOH, CTAHR

Pathway & Offshore compliance: DAB, DLNR-DAR, DOH, DOT

Offshore facilities, Treatment & Audits: DAB

Public & Industry awareness: DAB, DLNR, DBEDT, DOT

The Hawai'i Biosecurity System – **Pre-border** *Offshore – Before Getting to Hawai'i*

Action	Activities	Lead	Support
Import Standards & Permits	<p>Establish and enforce phytosanitary and animal import requirements (DAB).</p> <p>Issue permits and certificates for plants, animals, and regulated articles (DAB).</p> <p>Ensure compliance with import requirements (DAB).</p> <p>Ensure compliance with ballast water and biofouling requirements (DLNR-DAR).</p>	DAB-PQ/AI, DLNR-DAR	DLNR-DOFAW, DOH, CTAHR, DBEDT (Sister-States)
Risk Analysis & Emerging Threats <i>(Horizon Scanning)</i>	<p>Conduct risk assessments for plants/animals (DAB, UH), aquatic (DLNR-DAR), terrestrial (DLNR-DOFAW) and human disease vectors (DOH).</p> <p>Monitor global pest/disease trends and assess potential impacts to Hawai'i for plants/animals (DAB), aquatic (DLNR-DAR), terrestrial (DLNR-DOFAW) and human disease vectors (DOH).</p> <p>Identify and prioritize high-risk pathways and commodities for plants/animals (DAB), aquatic (DLNR-DAR), terrestrial (DLNR-DOFAW) and human disease vectors (DOH).</p>	DAB-PQ/AI, DLNR-DOFAW/DAR, DOH	CTAHR, HISC
Pathway & Offshore Compliance	<p>Implement sanitation and treatment protocols for aircraft, ships, and cargo containers to prevent introduction of specific pests (DAB, DOH, DOT).</p> <p>Implement guidelines to reduce pest hitchhiking and pathway risks (DAB, DOH, DOT).</p> <p>Coordinate infrastructure to support inspection, treatment, and waste management (DOH, DBEDT, DOT).</p>	DAB-PQ/AI, DOH, DOT	DLNR, DBEDT, Industry
Offshore Facilities, Treatment & Audits	<p>Certify offshore nurseries, greenhouses, and production facilities (DAB).</p> <p>Require offshore treatments (fumigation, irradiation, hot water, etc.) for high-risk imports (DAB).</p> <p>Conduct audits of exporting states' compliance systems (DAB).</p>	DAB-PQ/AI	Export State DOAs, Industry, SANC
Public & Industry Awareness	<p>Educate importers, shippers, and the traveling public on Hawai'i's biosecurity rules (DAB, DLNR-DAR, DBEDT, Industry, DOT).</p> <p>Promote compliance through outreach, signage, and declaration programs (Akamai Arrival) (DAB, DLNR-DAR).</p> <p>Build shared responsibility across industry and transport sectors (DOT, DBEDT).</p>	DAB-PQ/AI	DBEDT, DOT, Industry, UH-CTAHR, ISCs, HISC

Pre-Border Work in Action:

- Establishing pre-entry requirements for high-risk goods
- Requiring offshore treatment of high-risk imported goods (fumigation, irradiation, hot water, etc.)
- DAB coordinates regular audits and spot checks for compliance agreements



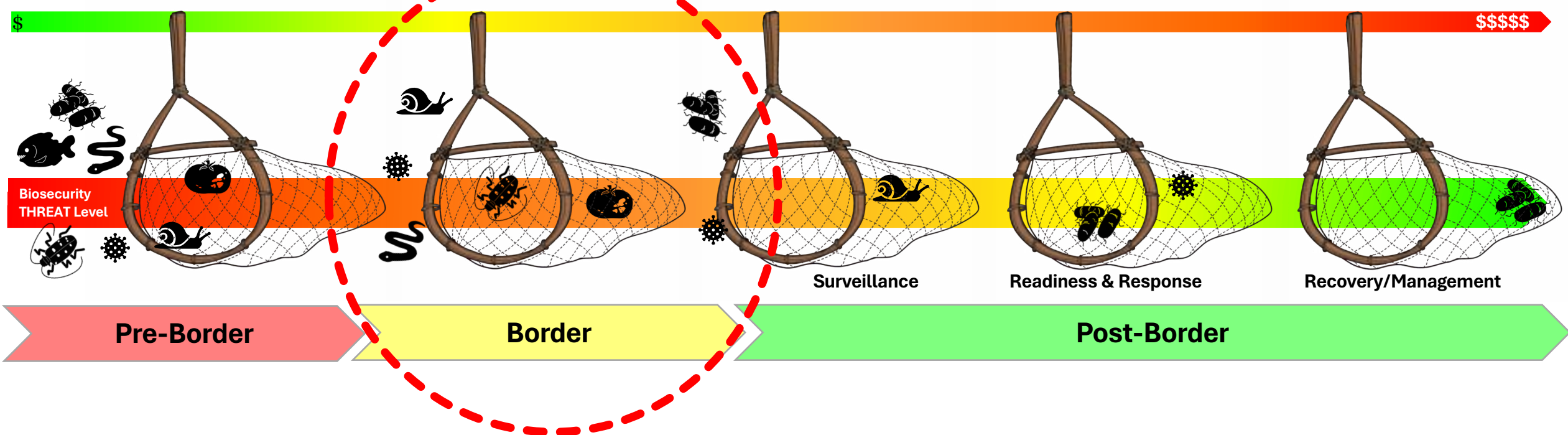
Downloading QR code for Akamai Arrival at a Gate



Christmas Tree Inspection in OR

HAWAI'I'S BIOSECURITY NETWORK

Each stage is represented by an 'upena ululu (scoop net)



Arrival in the State

Pathway Profiling & Risk Assessment: DAB, DLNR, DOH
Inspections & Compliance Enforcement: DAB, DLNR
Post-Arrival Quarantine & Treatments: DAB
Surveillance & Detector Dog Programs: DAB, DOH
Diagnostics & Identifications: DAB, DOH
Transitional Facilities & Biosecurity Infrastructure: DAB, DOT, DBEDT, DLNR-DAR, Industry
Public Engagement & Awareness at Ports: DAB, DLNR, DOT

The Hawai'i Biosecurity System - **Border**

Action	Activities	Lead	Support
Pathway Profiling & Risk Assessment	Identify high-risk goods and pathways (DAB), and vectors (DLNR-DAR, DOH) using scientific analysis and risk models; Identify vessels with high risk of ballast water or hull fouling introductions (DLNR-DAR)	DAB-PQ/AI, DLNR-DAR, DOH	CTAHR
Inspections & Compliance Enforcement	Inspect regulated goods, baggage, cargo, animals, and mail at ports (DAB); enforce compliance with biosecurity laws (DAB). Perform ballast water and hull fouling inspections (DLNR-DAR)	DAB-PQ/AI	DLE, DOT, DAR
Post-Arrival Quarantine & Treatments	Apply quarantine treatments (holding, fumigation, irradiation, or heat) on goods that pose pest risks (DAB); Enforce quarantine, confinement, testing of animals not meeting entry requirements (DAB)	DAB-PQ/AI	DOT, DLE
Surveillance & Detector Dog Programs	Surveillance at ports of entry (DOH, DAB), and transitional facilities (DAB). Deploy detector dogs for cargo, baggage, and mail to support rapid detection (DAB)	DAB-PQ/AI, DOH	DOT
Diagnostics & Identifications	Confirm species identifications rapidly through molecular and morphological diagnostics (DAB, DOH) Share relevant diagnostic and identification results with appropriate partners to improve pest detection and prevention. (ALL)	DAB- PQ,PPC/AI, DLNR, DOH	CTAHR, Bishop Museum, Honolulu Zoo, Waikiki Aquarium
Transitional Facilities & Biosecurity Infrastructure	Secure facilities for holding and treating goods until cleared (DAB, DBEDT, DOT, Industry); Certify and audit transitional facilities for high-risk and high-volume goods (DAB); Develop rules and operational protocols for biosecurity handling and containment (DAB, DLNR-DAR).	DAB-PQ/AI, DOT	DOT, DBEDT, DOH, Industry
Public Engagement & Awareness at Ports	Provide education at ports (DAB, DLNR-DAR), airports, and shipping points to engage travelers, industry, and unions in biosecurity compliance (DAB, DOT).	DAB-PQ/AI, DLNR-DAR	DOT, DOH, ILWU, ACH, HTA, CTAHR

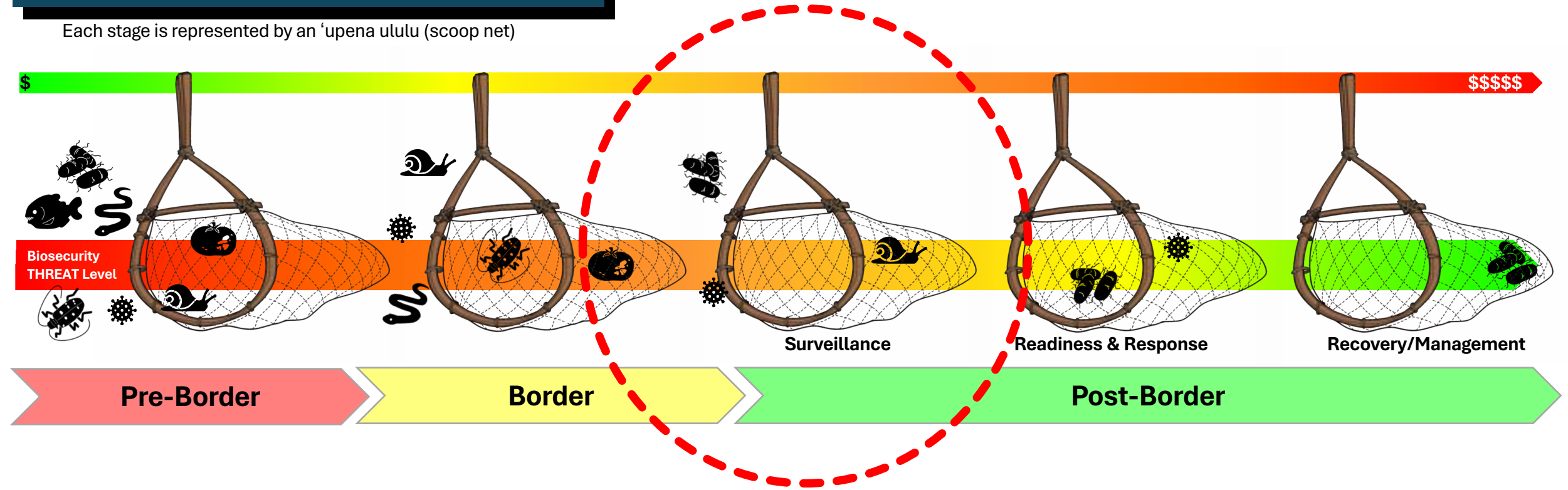
Border Work in Action:

- **Inspection at ports of entry**
 - Determine compliance with existing regulations
 - Detection and identification of intercepted pests.
 - Fumigation treatment for high-risk commodities (NZ-MeBr Fume Area).



HAWAI'I'S BIOSECURITY NETWORK

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Post-Border Surveillance

Report to Hotline: DAB, DLNR, DOH, HISC

Active & Passive Surveillance: DAB, DLNR, DOH, ISCs, HAL

Diagnostics: DAB, DOH

Detection Investigation: DAB, HISC

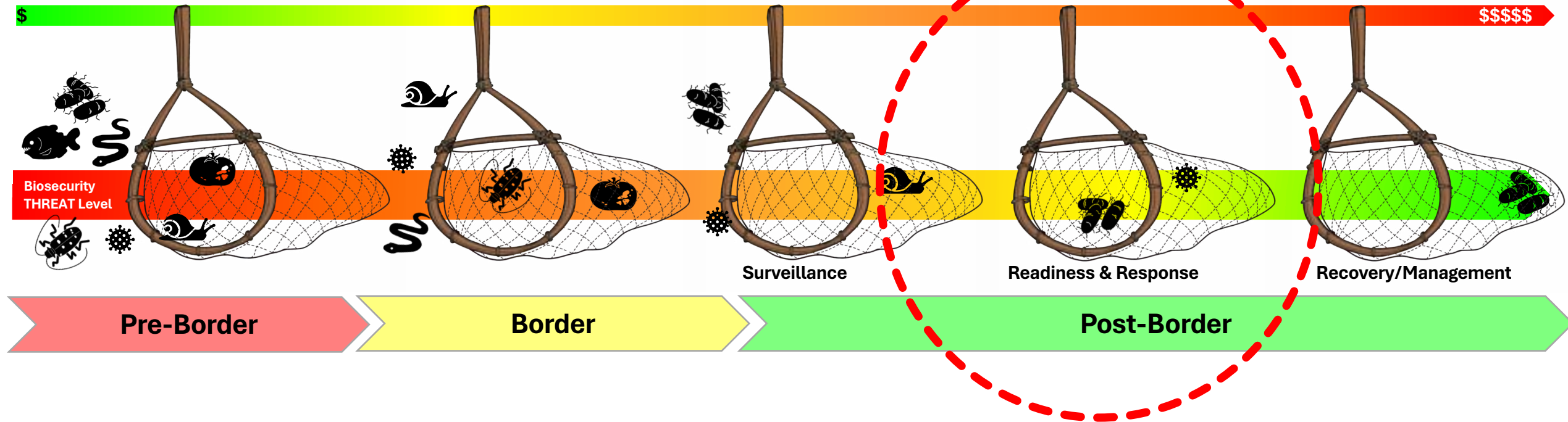
Preparedness: DAB, DLNR, DBEDT, DOT, HISC, CTAHR

The Hawaii Biosecurity System - **Post-Border Surveillance**

Action	Activities	Lead	Support
Report to Hotline	Operate public-facing pest reporting system and immediate report to appropriate agency (DAB, HISC).	DAB-PQ/AI	DOH
Active & Passive Surveillance	<p>Conduct active (trap networks, surveys, targeted disease testing) and passive (community reporting) pest surveillance (DAB, HISC).</p> <p>Deploy eDNA, molecular tools, other laboratory and field diagnostics for early detection (DAB, DLNR-DAR, DOH).</p> <p>Document and share relevant detection data to appropriate agencies (DAB, DLNR, DOH).</p> <p>Conduct active surveillance for human disease vectors (DOH)</p>	DAB-PQ,PPC/AI, DOH, DLNR, HISC	DOE, CTAHR FFA, ISCs, Industry, General public
Diagnostics	<p>Operate diagnostic labs, confirm IDs, and share results with response teams (DAB, DOH).</p> <p>Conduct genomic and taxonomic identifications for human disease vectors (DOH)</p>	DAB-PQ,PPC/AI, DOH	CTAHR, Bishop Museum, Honolulu zoo, Waikiki Aquarium
Detection Investigation	<p>Deploy rapid field investigations and conduct delimiting and epidemiological surveys (DAB, DLNR, HISC).</p> <p>Confirm identification using diagnostic labs (DAB, DOH).</p> <p>Assess risk level and refine future surveillance for readiness (DAB, DOH).</p>	DAB-PPC/AI, DLNR, DOH, HISC	CTAHR, DLE, ISCs
Preparedness	Develop comprehensive plans and identify resources for high-risk threats (DAB, DLNR, DOH); Develop island-specific response plan (DAB, DLNR, HISC); Train response teams for incursion exercises and simulations (DAB, DOH, DLNR); Collaborate with industries under the GIA for biosecurity (DAB, DBEDT, DOT).	DAB-PI/AI, DLNR, DOH, Industry	CTAHR, Counties, ISCs

HAWAI'I'S BIOSECURITY NETWORK

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Readiness

- **Pest Specific & Pathway:** DAB, DLNR, DOH, HISC
- **Sector Relationships & Arrangement:** DAB, Industry
- **Response Information Management & Process:** DAB, DLNR, DOH
- **Response Capacity & Resources:** DAB, DLNR, DOH, HISC
- **Simulations & Review:** DAB, DLNR, DOH, HISC
- **On-farm & Non-farm Biosecurity:** DAB, DLNR, DOH
- **Workforce Development:** LCC & CTAHR in conjunction with partners

Response

- **Initial Response & Delimiting Surveys:** DAB, DLNR
- **Response System, Planning & Contingency:** DAB, DLNR, DOH, DLE, HISC
- **Containment & Eradication:** DAB, DLNR, DOH
- **Diagnostics & Scientific Support:** DAB, DOH, DLNR, CTAHR
- **Inter/Intra-Island Pathway Management:** DAB, DOH, DLE
- **Public Engagement & Awareness:** DAB, DOH, DLNR, CTAHR, HISC

The Hawai'i Biosecurity System - **Post-Border** Readiness

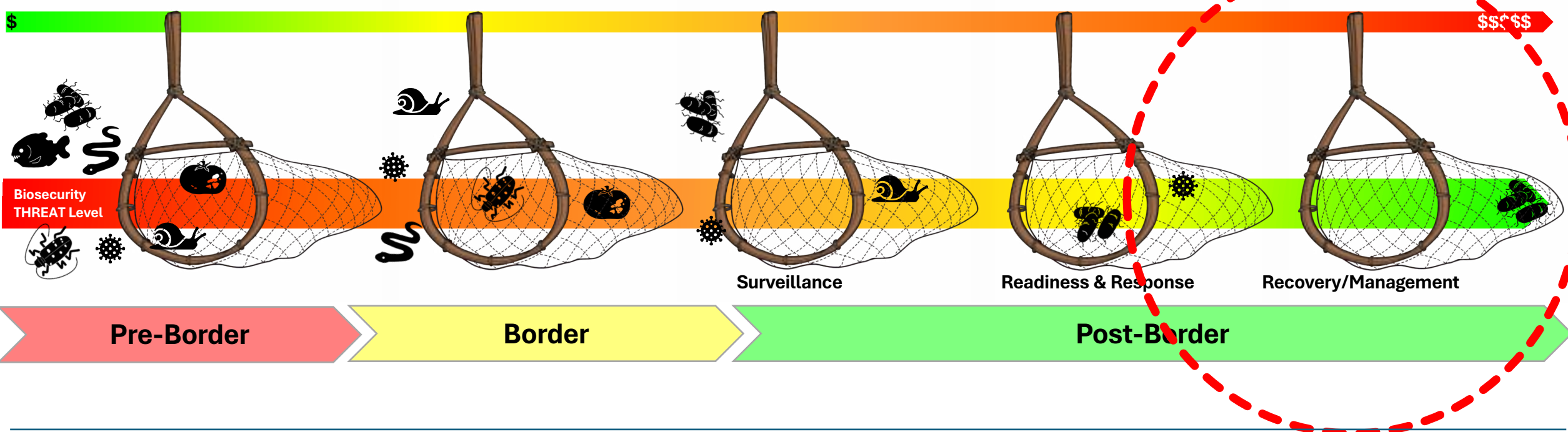
Action	Activities	Lead	Support
Pest Specific & Pathway	Develop and maintain pest- or disease-specific response plans (DAB, DLNR, DOH, HISC) Maintain resources (traps, kits, chemicals) and training responders (DAB, CTAHR, DLNR-DAR) Engage community through education and outreach (DAB, HISC, DLNR, DOH)	DAB-PI/AI, DLNR, DOH, HISC	CTAHR, County, Watershed Partnerships, ISCs Community, Military
Industry/ Sector Agreements (GIA)	Build formal readiness and response agreements with key sectors (e.g. coffee, floriculture, tropical fruit, livestock) (DAB, Industry) to define roles/responsibilities	DAB-PQ,PPC	CTAHR, GIA partners, Industry
Response Information, Management & Process	Incident Command System (ICS)-based information flow (DAB, DLNR, DOH); Standardized reporting tools for pest detections and field operations (DAB, DLNR, DOH); Centralized databases for all agencies (DAB, DLNR, DOH) GIS mapping tools to track outbreaks/infestations (DAB)	DAB-PI/AI, DLNR, DOH	CTAHR, HISC, ETS, DLE
Response Capacity & Resources	Determine existing capacity (staffing, equipment, funding, etc.) to respond to pests and diseases, (DAB, DOH, DLNR) including interagency coordination (HISC) Response to human related diseases (DOH)	DAB-PQ,PPC/AI, DLNR, DOH, HISC	CTAHR, DOT, HIEMA, County, Industry, DLE
Simulations & Review	Periodic simulations of ICS and interagency coordination (DAB, DLNR, DOH, HISC, DOT, CTAHR, DLE) Identify gaps in resources, staffing, and logistics before a real pest or disease incursion occurs (DAB, DLNR, DOH, HISC, DOT, CTAHR, DLE) Ensuring that lessons learned are fed back into preparedness and readiness planning (DAB, DLNR, DOH, HISC, DOT, CTAHR, DLE) .	DAB-PQ,PPC/AI, DLNR, DOH, HISC	CTAHR, DOT, HIEMA, County, Industry, DLE
Farm & Non-farm Biosecurity	Develop and implement science-based on-farm biosecurity practices to safeguard local crops and livestock (DAB, Industry); Develop biosecurity measures for urban area and natural ecosystem, led by government and community, to prevent pests and invasive species while enhancing Hawaii's unique biodiversity and environmental resilience (DLNR-DAR, DOH)	DAB-PI/AI, DLNR, DOH	CTAHR, HISC, GIA partners
Workforce Development	Develop and implement a biosecurity-centric educational curriculum/academy to create a conduit for workforce development and overall community acceptance of biosecurity measures (LCC/CTAHR in conjunction with partners)	LCC, CTAHR	DAB, DLNR, DOH, DLE, HISC

The Hawaii Biosecurity System - **Post-Border** Response

Action	Activities	Lead	Support
Initial Response & Delimiting Surveys	Rapid deployment of response teams and containment measures (DAB, DLNR, DOH). Conduct surveys to map infestation/disease boundaries and establish priority, quarantine and surveillance zones (DAB, DLNR, DOH).	DAB-PQ,PPC/AI, DLNR,	DLNR, DOH, CTAHR, HISC, ISCs, Military
Response System, Planning & Contingency	Activate ICS (DAB, DLNR, DOH, DLE); Develop and implement contingency plans for various outbreak scenarios (DAB, DLNR, DOH, DLE). Ensure interagency communication, logistics, and decision-making systems (DAB, DLNR, DOH, DLE, HISC).	DAB-PI/AI, DLNR, DOH, DLE, HISC	DOT, CTAHR County, Industry
Containment & Eradication	Carry out eradication treatments (DAB, DLNR, DOH). Impose movement controls, establish buffer zones, and enforce interim rules (DAB, DOH).	DAB-PI/AI, DLNR, DOH,	CTAHR, DLE, DOT, Military
Diagnostics & Scientific Support	Confirm pest/pathogen ID through lab and field diagnostics (DAB, DOH, CTAHR). Provide technical guidance for treatment and response (DAB, DLNR, DOH, CTAHR).	DAB-PI/AI, DOH, DLNR, CTAHR	Bishop Museum, Honolulu zoo, Waikiki aquarium
Inter-/Intra-Island Pathway Management	Require inspection and certification (e.g. Nursery) (DAB); implement compliance programs with nursery and producers (DAB) Mandate treatments and sanitation for pre-shipping of high-risk commodities (DAB, DOH); Pathway management/enforcement (DAB, DOH, DLE); Monitoring green waste (DOH, County). Surveillance at entry and exit points with traps and detector dogs (DAB); Hotline report for illegal dump or shipment (DOH, DLE). Declare a Biosecurity Emergency under certain circumstances for a pest that is likely to cause significant economic or environmental loss (DAB).	DAB-PQ/AI, DOH, DLE	DLNR, DOT, DLE, CTAHR, County, Councils, Association, Industry
Public Engagement & Awareness	Conduct outreach campaigns to inform and mobilize the public (DAB, DOH, DLNR, HISC, CTAHR). Issue press release, media announcement, and social media (DAB, HISC, CTAHR, DLNR, DOH). Formal agreements to increase surge capacity (DAB, DLNR, DOH, all other partners).	DAB, DLNR, DOH, CTAHR, HISC	FFA, 4H, Kupu, Industry, ISCs, etc.

HAWAI'I'S BIOSECURITY NETWORK

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Recovery / Management

Pest/Disease Management:	DAB, DLNR, DOH
Site-Led Pest/Disease Management:	DAB, DLNR, DOH
Biological Control:	DAB, DLNR, CTAHR
Recovery Planning:	DAB, DLNR, DOH
Compensation:	DAB, DLNR, DOH
Welfare:	DAB, DOH, DHRD
Ongoing Public Engagement & Action:	DAB, DOH, DLNR, CTAHR, HISC

The Hawaii Biosecurity System - **Post-Border** *Recovery and Pest Management*

Action	Activities	Lead	Support
Pest/Disease Management Strategies	Set management goals and integrate multiple tools together (chemical, mechanical, biological, cultural) (DAB, DOH, DLNR, CTAHR) Develop sustainable management strategies (DAB, DOH, DLNR, CTAHR) Review and update available and new pesticides and methods for management (DAB, DOH, DLNR, CTAHR)	DAB-PPC, PEST/AI, DLNR, DOH, CTAHR	FFA, Kupu, Industry, ISCs
Site-Led Pest/Disease Management	Identify critical areas and set management goals (suppression, containment, or quarantine) (DAB, DLNR, DOH, CTAHR). Create GIS map for population surveillance and delimitation (DAB, DOH, CTAHR, DLNR) Apply control measures and engage community, landowners, residents, and volunteers (DAB, DOH, DLNR, CTAHR, HISC) Develop long-term maintenance through repeated treatments, surveillance, community partnerships (DAB, DOH, DLNR, GIA, CTAHR) Increase on-farm biosecurity (DAB, CTAHR)	DAB-PPC, PEST/AI, DLNR, DOH, CTAHR, HISC	ISCs, Industry, Community, County, DHHL, Kamehameha Schools
Biological Control	Identify priority pests and survey biological candidates (DAB, CTAHR, DLNR) Conduct host-specific testing (DAB, CTAHR) Regulatory approval (DAB) Release and post-release monitoring (DAB, DLNR, CTAHR)	DAB-PQ, PPC/AI, CTAHR, DLNR	HISC, Watershed partners, ISCs, NGO
Recovery Planning	Develop restoration programs to support farmers (DAB), landowners (DAB, DLNR, DOH), and communities (DAB, DLNR, DOH) in returning to normality; Ensure continuity of operations for agriculture (DAB), natural resources (DLNR), and public health after an outbreak (DOH)	DAB-PI/AI, DLNR, DOH	CTAHR, Industry, HIEMA, DHHL, Kamehameha Schools, GIA partners
Compensation	Develop recovery plans for agriculture (DAB), ecosystems (DLNR), and communities (DAB, DAR, DOH); Provide compensation for losses (B&F, DAGS, Legislature)	DAB-PPC/AI/AGL	DLNR-DAR, DOH, CTAHR, Industry, HIEMA, Legislature, DHR, B&F, DAGS
Welfare	Address human and community welfare, including mental health and worker protection (DAB, DOH, DHRD, Unions, DLIR)	DAB, DOH, DHRD	Unions, DLIR
Ongoing Public Engagement & Action	Conduct outreach campaigns keep the public engaged in appropriate ongoing activities (DAB, DOH, DLNR, CTAHR). Issue press release, media announcement, and social media (DAB, HISC, CTAHR, DLNR, DOH) Formal agreements to increase surge capacity (DAB, DLNR, DOH, all other partners)	DAB, DLNR, DOH, CTAHR	FFA, 4H, Kupu

Post-Border Work in Action:

- **Surveillance**

- 808-643-PEST hotline or
<https://www.643pest.org/>
- Pest Dashboard – to be established
12/1/2025

- **Readiness**

- Government Industry Agreements
(GIA)

- **Response**

- Rapid deployment and
containment measures

- **Recovery and Pest Management**

- Control measures and long-term
management and maintenance



REPORT INVASIVE SPECIES

643-PEST
643pest.org

CALL OR CLICK TO PROTECT HAWAII

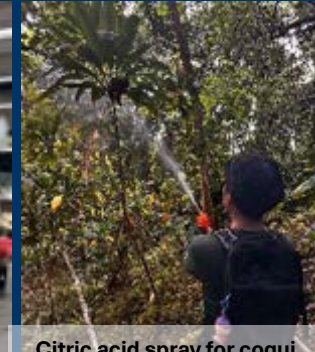
Additional Hotlines:

808-679-5244 (CRB Response)

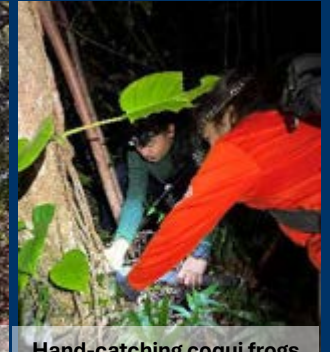
808-586-4226 (DOH-Solid & Hazardous Waste Branch)



Plan for GIA Pilot (Green Point Tour)



Citric acid spray for coqui
frog control



Hand-catching coqui frogs
at night



Shooting herbicide capsules to control *Miconia*

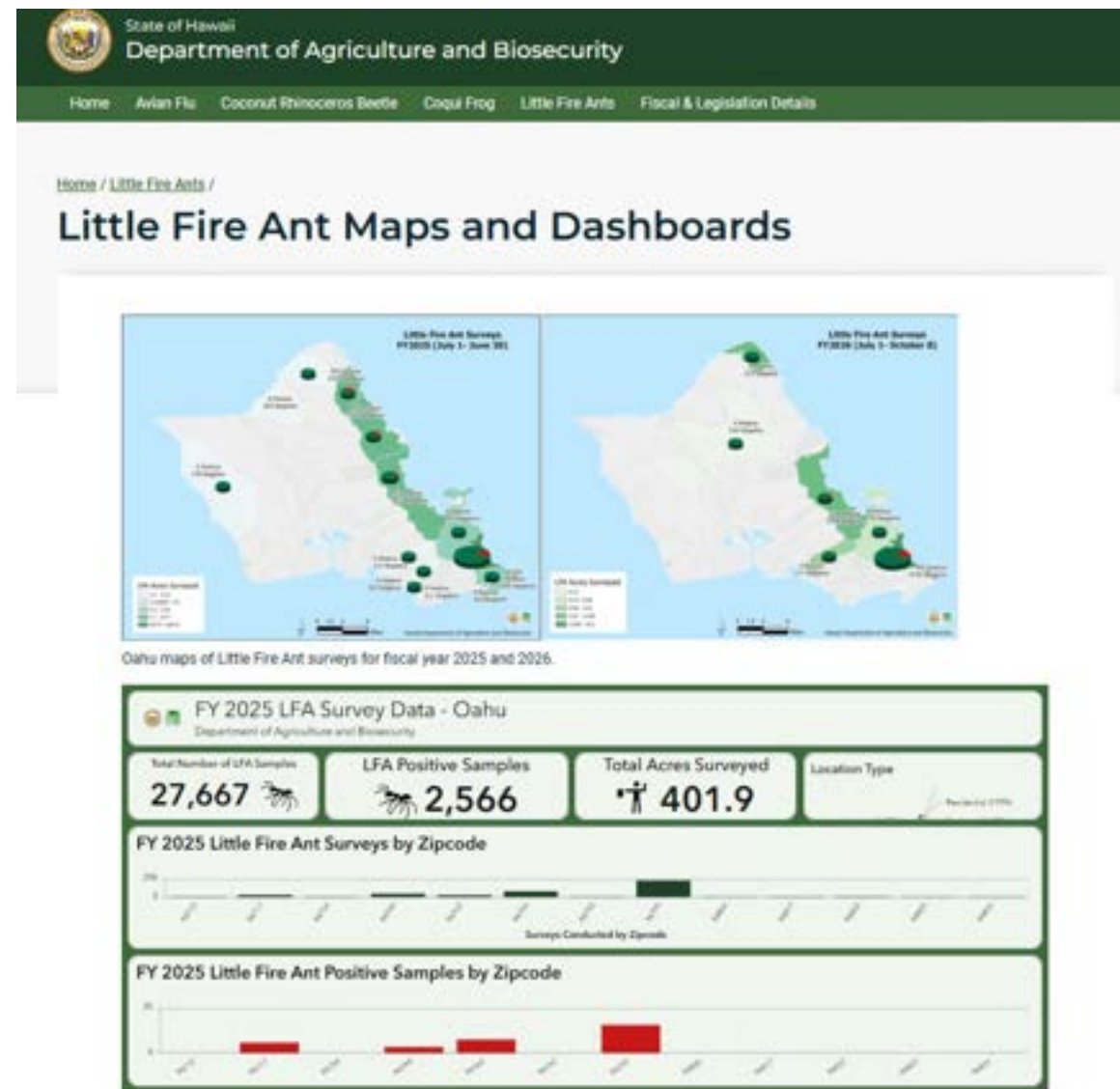


Predator-proof fence to
protect seabirds



Control invasive plants in
steep terrain

Establish Pest Dashboard by Dec. 1, 2025



The Pest Dashboard is envisioned to be a centralized space for the State's pest-related activities, including the centralization of pest reporting and data collection for pests covered by the dashboard.

Questions?



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